



APPENDIX F

HOT AND WARM SPRINGS IN THE PROJECT AREA

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Source: US Department of Commerce, National Oceanic and Atmospheric Administration 2008

KEY:

- TF = Maximum surface temperature in degrees Fahrenheit
- TC = Maximum surface temperature in degrees Celsius
- P.P. 492 = "Thermal Springs of the United States and Other Countries of the World – A Summary," U.S.G.S. Professional Paper 492 (Waring, 1965)
- Circ. 790 = "Assessment of geothermal resources of the United States," U.S.G.S. Circular 790 (Muffler, 1979)
- NOAA = 1:250,000-scale overlays in "Thermal Springs List for the United States," NOAA KGRD 12 (Berry, Grim, Ikelman, 1980)
- AMS = 1:250,000 AMS Maps
- USGS quadrangle = The USGS 15-minute or 7.5-minute quadrangle on which spring may be found

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
AK	53.8920	-166.930	MAKUSHIN VOLCANO FUMARoles	310	154	45	null	1	UNALASKA	null
AK	51.9250	-177.160	FUMARoles ON KANAGA ISLAND	219	104	32	null	1	ADAK	null
AK	53.2130	-168.463	HOT SPRINGS NEAR GEYSER BIGHT	216	102	41	18	7	UMNAK	null
AK	53.2230	-168.477	HOT SPRINGS NEAR GEYSER BIGHT	214	101	41	18	6	UMNAK	null
AK	53.4430	-168.092	THERMAL SPRINGS IN OKMOK CALDERA	212	100	null	null	2	UMNAK	null
AK	52.0420	-176.108	HOT SPRINGS ON GREAT	210	99	34	16	1	ADAK	null

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State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
			SITKIN ISLAND							
AK	55.9830	-131.661	BAILEY HOT SPRING	198	92	76	27	1	KETCHIKAN	KETCHIKAN (D-5) 15
AK	53.2420	-168.365	HOT SPRINGS NEAR HOT SPRINGS COVE	192	89	43	17	4	UMNAK	null
AK	54.1570	-165.850	HOT SPRINGS NEAR HOT SPRINGS BAY	181	83	46	20	3	UNIMAK	null
AK	58.0330	-136.017	HOT SPRINGS NORTH END TENAKEE INLET	180	82	null	22	1	MT. FAIRWEATHER R	(MT. FAIRWEATHER (A-1) 15)
AK	65.0930	-164.922	PILGRIM SPRINGS	178	81	6	3	2	BENDELEBEN	BENDELEBEN (A-6) 15
AK	57.8310	-156.513	W UKINEK SPRING	178	81	null	null	2	UGASHIK	(UGASHIK (D-2) 15)
AK	65.4590	-153.312	LITTLE MELOZITNA HOT SPRINGS	176	80	11	9	1	MELOZITNA	MELOZITNA (B-1) 15
AK	65.8580	-164.710	SERPENTINE HOT SPRINGS	171	77	4	2	1	BENDELEBEN	BENDELEBEN (D-6) 15
AK	52.1900	-174.250	HOT SPRINGS ON ATKA ISLAND	167	75	37	null	3	ATKA	null
AK	55.9330	-131.559	BELL ISLAND HOT SPRINGS	165	74	79	28	2	KETCHIKAN	KETCHIKAN (D-5) 15
AK	55.8630	-160.493	HOT SPRING NEAR PORT MOLLER	160	71	54	null	1	PORT MOLLER	PORT MOLLER (D-2) 15
AK	53.2530	-168.358	HOT SPRINGS NEAR HOT SPRINGS COVE	158	70	43	17	3	UMNAK	null
AK	51.9700	-176.610	HOT SPRINGS ON ADAK ISLAND	154	68	33	null	1	ADAK	null
AK	65.0530	-146.057	CHENA HOT SPRINGS	153	67	18	14	1	CIRCLE	CIRCLE (A-5) 15
AK	56.8360	-135.374	GODDARD HOT SPRINGS	153	67	70	25	1	PORT ALEXANDER	PORT ALEXANDER (D-5) 15
AK	58.3700	-137.090	HOT SPRINGS NEAR ICY POINT	153	67	null	null	1	MT. FAIRWEATHER R	(MT. FAIRWEATHER (B-4) 15)
AK	66.3420	-150.850	KANUTI HOT SPRINGS	151	66	null	11	1	BETTLES	(BETTLES (B-2) 15)
AK	64.8500	-162.300	CLEAR CREEK HOT SPRINGS	149	65	null	5	1	SOLOMON	(SOLOMON (D-1) 15)
AK	53.2330	-168.300	HOT SPRING ON UMNAK ISLAND	149	65	42	19	5	UMNAK	null
AK	54.9440	-163.251	HOT SPRINGS NEAR MORZHOVOI	145	63	50	null	1	FALSE PASS	null
AK	61.2000	-159.863	HOT SPRINGS NEAR OPHIR CREEK	145	63	26	null	1	RUSSIAN MISSION	(RUSSIAN MISSION (A-2) 15)
AK	51.7620	-178.770	FUMARoles ON GARELOI ISLAND	144	62	null	null	2	GARELOI ISLAND	null
AK	65.9830	-150.560	HOT SPRINGS ON LOWER RAY RIVER	142	61	null	null	1	TANANA	(TANANA (D-2) 15)

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State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
AK	66.3670	-156.767	HOT SPRINGS NEAR DIVISION BM	140	60	3	null	1	SHUNGNAK	null
AK	65.2740	-148.847	TOLOVANA HOT SPRINGS	140	60	17	12	1	LIVENGOOD	LIVENGOOD (B-4) 15
AK	57.1780	-157.015	HOT SPRING NEAR MOTHER GOOSE LAKE	138	59	null	null	1	UGASHIK	UGASHIK (A-4) 15
AK	56.2330	-131.267	BRADFIELD CANAL HOT SPRINGS	135	57	null	null	2	BRADFIELD CANAL (A-4) 15	BRADFIELD CANAL (A-4) 15
AK	65.4830	-144.637	CIRCLE HOT SPRINGS	135	57	19	15	1	CIRCLE	CIRCLE (B-2) 15
AK	65.0060	-150.633	MANLEY HOT SPRINGS	133	56	14	13	4	TANANA	TANANA (A-2)
AK	65.1290	-154.692	MELOZI (MELOZITNA) SPRINGS	131	55	10	8	3	MELOZITNA	MELOZITNA (A-4) 15
AK	66.2170	-149.547	DALL HOT SPRINGS	129	54	null	null	1	BEAVER	(BEAVER (A-6) 15)
AK	55.2170	-162.483	HOT SPRINGS EAST OF COLD BAY	129	54	null	21	2	COLD BAY	null
AK	57.8650	-156.499	GAS ROCKS HOT SPRING	127	53	56	null	1	UGASHIK	UGASHIK (D-2) 15
AK	65.2170	-162.900	HOT SPRINGS NEAR LAVA CREEK	127	53	null	4	1	BENDELEBEN	(BENDELEBEN (A-2) 15)
AK	65.2670	-155.280	HOT SPRINGS NEAR DULBI RIVER	126	52	null	7	1	MELOZITNA	(MELOZITNA (B-5) 15)
AK	57.0850	-134.839	BARANOF WARM SPRINGS	124	51	69	null	1	SITKA	SITKA (A-3) 15
AK	56.7170	-132.005	CHIEF SHAKES HOT SPRINGS	122	50	73	26	1	PETERSBURG	(PETERSBURG (C-1) 15)
AK	66.1500	-157.117	HOT SPRINGS NEAR SOUTH BM	122	50	null	6	3	SHUNGNAK	null
AK	66.2330	-157.583	HOT SPRINGS ON HAWK RIVER	122	50	null	null	2	SHUNGNAK	null
AK	65.8100	-151.237	KILO HOT SPRING	122	50	null	null	1	TANANA	TANANA (D-3)
AK	67.2830	-155.067	REED RIVER HOT SPRING	122	50	1	10	1	SURVEY PASS	null
AK	52.8400	-169.900	CHUGINADAK HOT SPRINGS	H	H	39	null	2	SAMALGA ISLAND	null
AK	65.9080	-154.993	DENIKTOW RIDGE HOT SPRINGS	H	H	null	null	2	MELOZITNA	MELOZITNA (D-4) 15
AK	55.3680	-161.961	FUMAROLE	H	H	52	null	1	PORT MOLLER	null
AK	51.7750	-178.793	FUMAROLES ON GARELOI ISLAND	H	H	null	null	1	GARELOI ISLAND	null
AK	51.9670	178.444	FUMAROLES ON LITTLE SITKIN ISLAND	H	H	null	null	1	RAT ISLANDS	null
AK	51.9440	178.547	FUMAROLES ON LITTLE SITKIN ISLAND	H	H	null	null	3	RAT ISLANDS	null
AK	51.9630	178.491	FUMAROLES ON LITTLE SITKIN ISLAND	H	H	null	null	2	RAT ISLANDS	null

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AK	61.2670	-151.238	HOT LAKE IN BOTTOM OF CRATER PEAK	H	H	null	null	1	TYONEK	(TYONEK (B-6) 15)
AK	58.2400	-155.090	HOT SPRING NEAR KATMAI PASS	H	H	57	null	1	MT. KATMAI	(MT. KATMAI (A-4) 15)
AK	65.4500	-150.000	HOT SPRING NEAR LITTLE MINOOK CR	H	H	16	null	3	TANANA	(TANANA (B-1) 15)
AK	61.0580	-160.692	HOT SPRING NEAR TULLUKSAK RIVER	H	H	25	null	1	RUSSIAN MISSION	(RUSSIAN MISSION (A-5) 15)
AK	54.9000	-162.885	HOT SPRING ON AMAGAT ISLAND	H	H	51	null	1	FALSE PASS	(FALSE PASS (D-3) 15)
AK	52.9600	-169.710	HOT SPRING ON KAGAMIL ISLAND	H	H	40	null	1	SAMALGA ISLAND	null
AK	51.9400	178.500	HOT SPRING ON LITTLE SITKIN ISLAND	H	H	29	null	4	RAT ISLANDS	null
AK	52.3580	-172.317	HOT SPRING ON SEGUAM ISLAND	H	H	38	null	1	SEGUAM	null
AK	51.8100	-177.790	HOT SPRING ON TANAGA ISLAND	H	H	31	null	2	ADAK	null
AK	64.0020	-156.300	HOT SPRING ON TRIBUTARY OF INNOKO R	H	H	13	null	1	NULATO	(NULATO (A-1) 15)
AK	54.6600	-164.550	HOT SPRING ON UNIMAK ISLAND	H	H	49	null	1	UNIMAK	null
AK	58.9200	-153.980	HOT SPRING WEST OF CAPE DOUGLAS	H	H	59	null	1	AFOGNAK	(AFOGNAK (D-6) 15)
AK	53.2070	-168.445	HOT SPRINGS NEAR GEYSER BIGHT	H	H	41	18	8	UMNAK	null
AK	53.8510	-166.918	HOT SPRINGS NEAR MAKUSHIN VOLCANO	H	H	45	null	3	UNALASKA	null
AK	58.2700	-154.890	HOT SPRINGS NEAR MT KATMAI	H	H	58	null	1	MT. KATMAI	(MT. KATMAI (B-3) 15)
AK	53.8770	-166.448	HOT SPRINGS NEAR SUMMER BAY	H	H	null	null	2	UNALASKA	null
AK	54.2300	-165.660	HOT SPRINGS ON AKUN ISLAND	H	H	null	null	1	UNIMAK	null
AK	54.1800	-165.410	HOT SPRINGS ON AKUN ISLAND	H	H	null	null	2	UNIMAK	null
AK	52.3400	-174.260	HOT SPRINGS ON ATKA ISLAND	H	H	35	null	1	ATKA	null
AK	52.2700	-174.042	HOT SPRINGS ON ATKA ISLAND	H	H	36	null	2	ATKA	null
AK	65.2330	-144.483	HOT SPRINGS ON BIG WINDY CREEK	H	H	20	null	2	CIRCLE	(CIRCLE (A-1) 15)
AK	53.9500	-168.037	HOT SPRINGS ON BOGOSLOF ISLAND	H	H	44	null	1	UMNAK	null
AK	61.3630	-157.733	HOT SPRINGS ON UPPER CHULIYUK RIVER	H	H	null	null	1	SLEETMUTE	(SLEETMUTE (B-4) 15)

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AK	65.9700	-154.033	POCAHONTAS HOT SPRINGS	H	H	null	null	I	MELOZITNA	MELOZITNA (D-3) 15

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State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
AZ	32.9710	-109.350	GILLARD HOT SPRINGS	180	82	null	32	2	SILVER CITY	GUTHRIE 15
AZ	32.7410	-114.068	RADIUM HOT SPRINGS	140	60	null	null	1	EL CENTRO	WELLTON MESA 7.5
AZ	33.0800	-109.303	HOT SPRING	138	59	null	31	2	CLIFTON	CLIFTON 15
AZ	33.4000	-109.152	HANNAH HOT SPRING	133	56	null	null	1	CLIFTON	DUTCH BLUE CREEK 7.5
AZ	32.3360	-110.240	HOOKERS HOT SPRINGS	127	53	19	null	4	TUCSON	WINCHESTER MTS. 15
AZ	35.9840	-114.742	HOT SPRING	H	H	null	null	1	KINGMAN	RINGBOLT RAPIDS 7.5

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
CA	38.8020	-122.810	THE GEYSERS	214	101	72	48	21	SANTA ROSA	THE GEYSERS 7.5
CA	38.7670	-122.748	LITTLE GEYSERS	210	99	74	48	27	SANTA ROSA	(WHISPERING PINES 7.5)
CA	41.5340	-120.078	HOT SPRINGS (SURPRISE VALLEY)	208	98	18	35	8	ALTURAS	CEDARVILLE 15
CA	36.0450	-117.769	COSO HOT SPRINGS	207	97	142	57	8	DEATH VALLEY	HAIWEE RESERVOIR 15
CA	36.0360	-117.802	DEVILS KITCHEN	207	97	141	57	9	DEATH VALLEY	HAIWEE RESERVOIR 15
CA	41.6700	-120.206	LAKE CITY HOT SPRINGS	207	97	14	35	4	ALTURAS	CEDARVILLE 15
CA	40.3640	-120.243	HOT SPRING	204	96	null	42	3	SUSANVILLE	WENDEL 15
CA	40.3820	-121.513	MORGAN HOT SPRING	205	96	33	41	10	SUSANVILLE	LASSEN PEAK 15
CA	40.4210	-121.375	TERMINAL GEYSER	205	96	38	40	8	SUSANVILLE	MT. HARKNESS 15
CA	40.3550	-120.257	WENDEL HOT SPRINGS	205	96	30	42	4	SUSANVILLE	LITCHFIELD 15
CA	40.3020	-120.195	AMEDEE HOT SPRINGS	203	95	31	42	5	SUSANVILLE	WENDEL 15
CA	40.4400	-121.434	DEVILS KITCHEN	203	95	34	40	5	SUSANVILLE	MT. HARKNESS 15
CA	36.0310	-117.833	FUMAROLE	203	95	141	57	10	DEATH VALLEY	HAIWEE RESERVOIR 15
CA	40.3930	-121.507	GROWLER HOT SPRING	203	95	null	41	9	SUSANVILLE	LASSEN PEAK 15
CA	40.4550	-121.501	BUMPASS HELL	199	93	27	40	2	SUSANVILLE	LASSEN PEAK 15
CA	37.6480	-118.914	CASA DIABLO HOT SPRINGS AND GEYSER	199	93	123	56	13	MARIPOSA	MT. MORRISON 15
CA	37.6650	-118.828	HOT CREEK GORGE SPRINGS	199	93	null	56	8	MARIPOSA	MT. MORRISON 15
CA	40.4470	-121.536	SULPHUR WORKS, TOPHET HOT SPRINGS	199	93	26	40	3	SUSANVILLE	LASSEN PEAK 15
CA	41.4500	-120.834	KELLY HOT SPRING	198	92	8	38	12	ALTURAS	CANBY 15
CA	34.1850	-117.262	ARROWHEAD SPRINGS, WATERMAN HOT SPR	194	90	162	62	3	SAN BERNARDINO	SAN BERNARDINO NORTH 7.5
CA	34.5960	-118.998	SESPE HOT SPRINGS	194	90	111	61	2	LOS ANGELES	DEVILS HEART PEAK 7.5
CA	40.4340	-121.399	BOILING SPRINGS LAKE	190	88	37	40	7	SUSANVILLE	MT. HARKNESS 15
CA	41.6070	-121.523	HOT SPOT	191	88	3	null	1	ALTURAS	MEDICINE LAKE 15
CA	41.6150	-120.102	SEYFERTH HOT SPRINGS	185	85	16	35	5	ALTURAS	CEDARVILLE 15
CA	41.4070	-122.197	HOT SPRING, FUMARoles	183	84	3	null	3	WEED	SHASTA 15
CA	37.9930	-119.028	PAOHA ISLAND SPRINGS	181	83	120	null	1	MARIPOSA	(MONO CRATERS 15)

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
CA	41.0250	-121.924	BIG BEND HOT SPRINGS	180	82	24	39	6	ALTURAS	BIG BEND 15
CA	38.3480	-119.400	FALES HOT SPRINGS	180	82	114	52	4	WALKER LAKE	FALES HOT SPRINGS 7.5
CA	37.6920	-118.839	LITTLE HOT CREEK SPRING	180	82	122	56	5	MARIPOSA	MT. MORRISON 15
CA	38.2450	-119.205	TRAVERTINE HOT SPRINGS	180	82	116	54	5	WALKER LAKE	BODIE 15
CA	41.1430	-121.110	BASSETT HOT SPRINGS	174	79	28	37	3	ALTURAS	BIEBER 15
CA	38.5800	-122.575	CALISTOGA HOT SPRINGS	172	78	81	50	30	SANTA ROSA	CALISTOGA 7.5
CA	41.1260	-121.028	KELLOG HOT SPRINGS	172	78	29	null	4	ALTURAS	BIEBER 15
CA	37.6560	-118.834	HOT CREEK SPRINGS	171	77	null	56	11	MARIPOSA	(MT. MORRISON 15)
CA	41.1900	-120.383	WEST VALLEY RESERVOIR HOT SPRING	171	77	null	36	19	ALTURAS	(TULE MOUNTAIN 7.5)
CA	41.2290	-121.405	LITTLE HOT SPRING	169	76	11	null	2	ALTURAS	FALL RIVER MILLS 15
CA	37.6640	-118.802	THE TUB	167	75	null	56	9	MARIPOSA	(MT. MORRISON 15)
CA	37.6470	-118.859	CASA DIABLO HOT POOL	165	74	124	56	15	MARIPOSA	MT. MORRISON 15
CA	38.7680	-122.717	CASTLE ROCK SPRINGS	163	73	62	48	26	SANTA ROSA	WHISPERING PINES 7.5
CA	39.0570	-122.475	ELGIN MINE	156	69	69	null	9	UKIAH	WILBUR SPRINGS 15
CA	41.9730	-122.202	KLAMATH HOT SPRING	156	69	2	null	1	WEED	MACDOEL 15
CA	39.0020	-122.664	SULPHUR BANK	156	69	57	46	17	UKIAH	CLEARLAKE OAKS 7.5
CA	39.0390	-122.421	WILBUR SPRINGS	153	67	68	44	11	UKIAH	WILBUR SPRINGS 15
CA	40.4440	-121.409	DRAKESBAD	151	66	36	40	4	SUSANVILLE	MT. HARKNESS 15
CA	38.0480	-119.081	HOT SPRING	151	66	null	null	9	WALKER LAKE	BODIE 15
CA	40.4570	-121.545	MILL CREEK SPRINGS	150	66	25	40	1	SUSANVILLE	(LASSEN PEAK 15)
CA	38.7730	-119.713	null	149	65	null	null	1	WALKER LAKE	(MT. SIEGEL 15)
CA	38.6990	-119.846	GROVERS HOT SPRINGS	147	64	113	51	2	WALKER LAKE	MARKLEEVILLE 15
CA	39.1830	-122.700	BARTLETT SPRINGS	144	62	null	null	7	UKIAH	CLEARLAKE OAKS 15
CA	41.6000	-120.088	LEONARDS HOT SPRINGS	144	62	17	35	6	ALTURAS	CEDARVILLE 15
CA	36.2340	-121.546	TASSAJARA HOT SPRINGS	144	62	91	null	6	SANTA CRUZ	TASSAJARA HOT SPRINGS 7.5
CA	39.0330	-122.445	JONES FOUNTAIN OF LIFE SPRING	142	61	null	null	12	UKIAH	WILBUR SPRINGS 15
CA	38.2370	-119.326	BUCKEYE HOT SPRING	140	60	115	53	6	WALKER LAKE	MATTERHORN PEAK 15
CA	33.2840	-116.631	WARNER HOT SPRING	138	59	179	null	7	SANTA ANA	WARNER SPRINGS 7.5

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CA	41.0360	-121.926	HUNT HOT SPRING	136	58	23	null	5	ALTURAS	BIG BEND 15
CA	37.8020	-118.532	BENTON HOT SPRINGS	134	57	127	null	2	MARIPOSA	GLASS MOUNTAIN 15
CA	37.6770	-118.790	DEHY HOT SPRING	134	57	null	56	6	MARIPOSA	(MT. MORRISON 15)
CA	41.2660	-120.080	HOT SPRINGS (MENLO BATHS)	135	57	20	null	14	ALTURAS	EAGLEVILLE 7.5
CA	34.5380	-119.560	AGUA CALIENTE SPRING	133	56	null	null	2	LOS ANGELES	HILDRETH PEAK 7.5
CA	33.5580	-117.154	MURRIETTA HOT SPRINGS	132	56	170	null	8	SANTA ANA	MURRIETTA 7.5
CA	35.6200	-118.473	SCOVERN HOT SPRINGS	133	56	149	60	3	BAKERSFIELD	LAKE ISABELLA SOUTH
CA	38.6910	-123.024	SKAGGS SPRINGS	135	56	71	49	3	SANTA ROSA	SKAGGS SPRINGS 7.5
CA	39.2260	-120.010	BROCKWAY HOT SPRINGS	131	55	44	null	5	CHICO	(KINGS BEACH 7.5)
CA	33.7530	-117.495	GLEN IVY HOT SPRINGS	131	55	167	null	4	SANTA ANA	LAKE MATTHEWS 7.5
CA	37.6480	-118.806	HOT SPRINGS	129	54	125	56	14	MARIPOSA	MT. MORRISON 15
CA	37.6670	-118.781	null	127	53	null	56	7	MARIPOSA	(MT. MORRISON 15)
CA	38.8730	-122.689	SEIGLER SPRINGS	126	52	59	47	14	SANTA ROSA	WHISPERING PINES 7.5
CA	33.6700	-117.325	WRENDEH HOT SPRS, ELSINORE HOT SPRS	125	52	168	null	5	SANTA ANA	(ELSINORE 7.5)
CA	36.2290	-118.302	JORDAN HOT SPRINGS	124	51	null	null	2	FRESNO	HOCKETT PEAK 15
CA	37.2530	-118.373	KEOUGH HOT SPRINGS	124	51	138	null	22	MARIPOSA	BISHOP 15
CA	34.4980	-119.341	STINGLEYS HOT SPRINGS	123	51	107	null	8	LOS ANGELES	MATILAJA 7.5
CA	34.5020	-119.346	VICKERS HOT SPRINGS	124	51	106	null	7	LOS ANGELES	(WHEELER SPRINGS 7.5)
CA	35.8810	-118.670	CALIFORNIA HOT SPRINGS	122	50	137	null	1	BAKERSFIELD	CALIFORNIA HOT SPRINGS 15
CA	36.1230	-121.640	SLATES HOT SPRINGS	122	50	93	null	7	SANTA CRUZ	LOPEZ POINT 7.5
CA	38.9790	-122.659	FUMAROLE	H	H	null	null	4	SANTA ROSA	(CLEARLAKE HIGHLANDS 7.5)
CA	37.6220	-119.028	FUMAROLES	H	H	null	null	5	MARIPOSA	(DEVILS POSTPILE 15)
CA	41.0120	-121.274	HOT SPRINGS	H	H	null	null	7	ALTURAS	FALL RIVER MILLS 15
CA	39.9220	-120.024	ZAMBONI HOT SPRINGS	H	H	null	null	2	CHICO	CONSTANTIA 7.5

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
CO	38.7320	-106.178	HORTENSE HOT SPRING	181	83	null	74	5	MONTROSE	PONCHA SPRINGS 15
CO	38.5140	-106.508	UPPER WAUNITA HOT SPRINGS	176	80	14	76	9	MONTROSE	PITKIN 7.5
CO	38.5170	-106.515	LOWER WAUNITA HOT SPRINGS	167	75	null	76	8	MONTROSE	(PITKIN 7.5)
CO	38.4980	-106.076	PONCHA HOT SPRINGS	160	71	21	75	10	MONTROSE	BONANZA 15
CO	38.0210	-107.672	OURAY HOT SPRINGS	156	69	28	null	3	MONTROSE	(OURAY 7.5)
CO	40.5590	-106.849	ROUTT HOT SPRINGS	147	64	2	72	1	CRAIG	ROCKY PEAK 7.5
CO	38.1680	-105.924	MINERAL HOT SPRINGS	140	60	23	null	5	PUEBLO	VILLA GROVE 7.5
CO	38.8120	-106.226	COTTONWOOD HOT SPRINGS	136	58	19	null	3	MONTROSE	BUENA VISTA 15
CO	37.2630	-107.011	PAGOSA SPRINGS	136	58	39	null	7	DURANGO	PAGOSA SPRINGS 7.5
CO	37.7470	-106.831	WAGON WHEEL GAP HOT SPRINGS	135	57	31	79	2	DURANGO	SPAR CITY 15
CO	38.7330	-106.162	MOUNT PRINCETON HOT SPRINGS	133	56	20	74	4	MONTROSE	PONCHA SPRINGS 15
CO	39.2270	-107.224	PENNY HOT SPRINGS	133	56	null	73	4	LEADVILLE	REDSTONE 7.5
CO	39.0170	-105.793	HARTSEL HOT SPRINGS	126	52	17	null	3	DENVER	HARTSEL 7.5
CO	38.1330	-107.736	ORVIS HOT SPRING	126	52	27	null	2	MONTROSE	DALLAS 7.5
CO	39.5480	-107.322	GLENWOOD SPRINGS	124	51	6	null	3	LEADVILLE	GLENWOOD SPRINGS 7.5

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
ID	42.1070	-113.390	BLM WELL (FRAZIER HOT SPRING)	203	95	184	115	7	POCATELLO	CHOCHEERRY CANYON 7.5
ID	45.3070	-114.338	BIG CREEK HOT SPRINGS	199	93	52	null	4	ELK CITY	SHOUP 15
ID	44.3060	-116.745	CRANE CREEK HOT SPRINGS	198	92	null	null	12	BAKER	(CRANE CREEK RESERVOIR 15)
ID	44.7990	-115.129	INDIAN CREEK HOT SPRING	190	88	null	null	6	CHALLIS	(BIG BALDY 7.5)
ID	44.5680	-115.695	VULCAN HOT SPRINGS	190	88	32	null	20	CHALLIS	WARM LAKE 15
ID	44.3640	-115.856	BOILING SPRINGS	185	85	38	null	29	CHALLIS	BOILING SPRINGS 15
ID	44.1570	-115.314	BONNEVILLE HOT SPRINGS	185	85	80	96	34	CHALLIS	EIGHTMILE MTN. 7.5
ID	42.1330	-111.928	BATTLE CREEK HOT SPRINGS	183	84	null	120	12	PRESTON	BANIDA 7.5
ID	43.5630	-114.798	WORSWICK HOT SPRINGS	180	82	136	110	12	HAILEY	SYDNEY BUTTE 7.5
ID	44.0920	-116.052	DEER HOT SPRINGS	176	80	null	97	14	BAKER	BANKS 15
ID	42.3080	-111.707	MAPLE GROVE HOT SPRINGS	172	78	null	118	11	PRESTON	ONEIDA NARROWS RESERVOIR 7.
ID	43.7550	-115.571	NINEMEYER HOT SPRINGS	169	76	116	98	11	HAILEY	BARBER FLAT 7.5
ID	44.2680	-114.748	SUNBEAM HOT SPRINGS	169	76	93	107	14	CHALLIS	SUNBEAM 7.5
ID	43.2930	-114.908	BARRONS HOT SPRING	167	75	139	112	18	HAILEY	(FAIRFIELD 15)
ID	44.1540	-115.993	WARM SPRINGS CREEK HOT SPRINGS	167	75	73	null	35	CHALLIS	GARDEN VALLEY 15
ID	43.3280	-114.399	MAGIC HOT SPRINGS	163	73	null	109	17	HAILEY	BELLEVUE 15
ID	42.1190	-111.928	SQUAW HOT SPRINGS	163	73	null	121	13	PRESTON	WESTON 7.5
ID	44.8130	-115.123	MIDDLE FORK INDIAN CREEK HOT SPRING	162	72	48	null	5	CHALLIS	PUNGO MOUNTAIN 7.5
ID	44.4160	-116.031	CABARTON HOT SPRING	160	71	null	null	11	BAKER	(SMITHS FERRY 15)
ID	42.3330	-115.650	INDIAN HOT SPRINGS	160	71	169	null	6	TWIN FALLS	null
ID	43.6840	-114.410	GUYER HOT SPRINGS	158	70	142	null	7	HAILEY	GRIFFIN BUTTE 7.5
ID	43.1550	-115.518	HOT SPRINGS	158	70	131	null	26	HAILEY	MOUNTAIN HOME 15
ID	44.5860	-116.630	LAKEY HOT SPRING	158	70	null	null	6	BAKER	(CAMBRIDGE 15)
ID	44.8310	-115.215	KWISKWIS HOT SPRING	156	69	null	null	4	CHALLIS	BIG BALDY 7.5
ID	44.6690	-116.305	COUNCIL MTN HOT SPRINGS	154	68	18	null	4	BAKER	COUNCIL 15
ID	43.7380	-115.583	VAUGHN HOT SPRING	154	68	115	null	12	HAILEY	SHEEP CREEK 7.5
ID	44.1600	-115.177	SACAJAWEA HOT SPRINGS	153	67	81	null	32	CHALLIS	GRANDJEAN 7.5

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
ID	42.7040	-114.856	SALMON FALLS HOT SPRING	153	67	173	null	1	TWIN FALLS	(THOUSAND SPRINGS 7.5)
ID	42.3330	-111.716	CLEVELAND HOT SPRINGS	151	66	null	null	10	PRESTON	ONEIDA NARROWS RESERVOIR 7.
ID	43.9510	-116.353	ROYSTONE HOT SPRINGS	151	66	66	95	2	BOISE	MONTOUR 15
ID	43.6710	-115.696	TWIN SPRINGS	151	66	84	null	17	HAILEY	TWIN SPRINGS 7.5
ID	43.7890	-115.434	DUTCH FRANK HOT SPRING	149	65	119	null	7	HAILEY	GRAND MTN. 7.5
ID	44.0720	-115.543	KIRKHAM HOT SPRINGS	149	65	79	null	37	CHALLIS	LOWMAN 7.5
ID	44.7300	-114.993	SUNFLOWER HOT SPRINGS	149	65	null	null	6	CHALLIS	SLIDEROCK RIDGE 7.5
ID	44.0770	-115.553	HAVEN LODGE HOT SPRING	147	64	78	null	36	CHALLIS	(LOWMAN 7.5)
ID	43.3830	-114.931	WARDROP HOT SPRING	147	64	137	111	16	HAILEY	FAIRFIELD 15
ID	44.6450	-114.739	UPPER LOON CREEK HOT SPRINGS	145	63	56	null	10	CHALLIS	ROCK CREEK 7.5
ID	43.0490	-114.952	WHITE ARROW HOT SPRING	145	63	170	113	20	HAILEY	DAVIS MOUNTAIN 15
ID	43.1160	-115.305	LATTY HOT SPRING	144	62	131	99	28	HAILEY	BENNETT MTN. 15
ID	43.7880	-115.444	STRAIGHT CREEK HOT SPRING	144	62	118	null	8	HAILEY	(GRAND MTN. 7.5)
ID	45.0390	-116.291	ZIM'S RESORT HOT SPRINGS	144	62	16	null	5	GRANGEVILLE	BALLY MOUNTAIN 7.5
ID	43.6960	-115.658	SHEEP CREEK BRIDGE HOT SPRING	142	61	110	null	16	HAILEY	TWIN SPRINGS 7.5
ID	44.9140	-115.722	TEAPOT HOT SPRING	142	61	25	null	1	CHALLIS	TEAPOT MTN. 7.5
ID	43.8110	-115.116	ATLANTA HOT SPRINGS	140	60	123	null	5	HAILEY	ATLANTA EAST 7.5
ID	45.5120	-115.046	BARTH HOT SPRINGS	140	60	11	null	2	ELK CITY	SHEEP HILL 7.5
ID	44.0510	-115.829	DAN HODGES HOT SPRING	140	60	75	null	41	CHALLIS	(GARDEN VALLEY 15)
ID	43.6470	-114.816	SKILLERN HOT SPRINGS	140	60	133	null	8	HAILEY	PARADISE PEAK 7.5
ID	44.6790	-116.231	WHITE LICKS HOT SPRING	140	60	19	null	3	BAKER	CASCADE 15
ID	42.6880	-114.826	BANBURY HOT SPRING	138	59	175	114	3	TWIN FALLS	THOUSAND SPRINGS 7.5
ID	43.5400	-115.288	BRIDGE HOT SPRINGS	138	59	128	null	23	HAILEY	(FEATHERVILLE 7.5)
ID	45.4310	-116.015	COW FLATS HOT SPRING	138	59	12	null	1	GRANGEVILLE	(KELLY MOUNTAIN 7.5)
ID	44.3820	-115.841	DASH CREEK HOT SPRINGS	138	59	37	null	28	CHALLIS	BOILING SPRINGS 15
ID	44.6420	-115.693	MOLLYS HOT SPRING	138	59	33	null	13	CHALLIS	(WARM LAKE 15)
ID	44.0620	-115.685	PINE FLAT HOT SPRINGS	138	59	77	null	38	CHALLIS	PINE FLAT 7.5

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
ID	43.7200	-115.617	SMITH CABIN HOT SPRING	138	59	112	null	14	HAILEY	SHEEP CREEK 7.5
ID	44.7210	-115.010	THOMAS CREEK RANCH HOT SPRING	138	59	null	null	10	CHALLIS	GREYHOUND RIDGE 15
ID	44.2450	-114.885	ELKHORN HOT SPRING	136	58	90	null	19	CHALLIS	(STANLEY 7.5)
ID	45.0350	-115.561	SHEEP CREEK HOT SPRING	136	58	24	null	6	ELK CITY	(PARKS PEAK 7.5)
ID	43.1290	-115.340	COYOTE HOT SPRING	135	57	null	null	27	HAILEY	(BENNETT MTN. 15)
ID	44.6610	-114.652	FOSTER RANCH HOT SPRINGS	135	57	57	null	8	CHALLIS	ROCK CREEK 7.5
ID	44.2640	-114.818	BASIN CREEK HOT SPRING	133	56	92	null	15	CHALLIS	(EAST BASIN CREEK 7.5)
ID	43.6050	-114.948	LIGHTFOOT HOT SPRINGS	133	56	134	null	10	HAILEY	BOARDMAN CREEK 7.5
ID	44.6520	-114.734	OWEN CABIN HOT SPRING	133	56	56	null	9	CHALLIS	ROCK CREEK 7.5
ID	43.6050	-115.664	RATTLESNAKE HOT SPRING	133	56	null	null	19	HAILEY	(LONG GULCH 7.5)
ID	44.0450	-115.842	CORDER HOT SPRING	131	55	76	null	42	CHALLIS	GARDEN VALLEY 15
ID	44.2110	-116.710	COVE CREEK HOT SPRING	131	55	null	null	13	BAKER	(HOLLAND GULCH 7.5)
ID	44.7850	-114.855	COX HOT SPRINGS	131	55	49	null	5	CHALLIS	RAMEY HILL 7.5
ID	44.0440	-115.851	DONLAY RANCH HOT SPRING	131	55	null	null	43	CHALLIS	(GARDEN VALLEY 15)
ID	43.8030	-115.401	GRANITE CREEK HOT SPRING	131	55	120	null	6	HAILEY	GRAND MTN. 7.5
ID	43.5060	-114.354	HAILEY HOT SPRINGS	131	55	145	null	14	HAILEY	HAILEY 7.5
ID	42.6920	-114.859	HOT SULPHUR (MIRACLE HOT) SPRINGS	131	55	174	null	2	TWIN FALLS	THOUSAND SPRINGS 7.5
ID	45.7880	-115.198	RED RIVER HOT SPRINGS	131	55	10	null	1	ELK CITY	SABLE HILL 7.5
ID	44.2470	-114.676	ROBINSON BAR HOT SPRINGS	131	55	95	null	18	CHALLIS	ROBINSON BAR 7.5
ID	44.8530	-116.442	STARKEY HOT SPRINGS	131	55	null	null	2	BAKER	NEW MEADOWS 15
ID	43.6370	-115.130	WILLOW CREEK HOT SPRING	131	55	126	null	18	HAILEY	CAYUSE POINT 7.5
ID	43.7240	-115.604	LOFTUS HOT SPRING	129	54	113	null	13	HAILEY	SHEEP CREEK 7.5
ID	43.9740	-114.499	LOWER BOWERY HOT SPRING	129	54	null	null	3	HAILEY	(RYAN PEAK 7.5)
ID	44.6320	-115.697	SOUTH FORK PLUNGE	129	54	31	null	15	CHALLIS	(WARM LAKE 15)
ID	44.6760	-115.943	GOLD FORK HOT SPRING	127	53	28	null	12	CHALLIS	GOLD FORK 15
ID	43.5610	-114.415	CLARENDON HOT SPRINGS	126	52	151	null	13	HAILEY	MAHONEY BUTTE 7.5
ID	43.4230	-114.627	ELK CREEK HOT SPRING	126	52	138	null	15	HAILEY	BLAINE 15

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
ID	44.5310	-116.754	FAIRCHILD HOT SPRING	126	52	null	null	8	BAKER	STURGILL PEAK 15
ID	42.0320	-115.363	MURPHY HOT SPRINGS	126	52	169	103	7	TWIN FALLS	null
ID	43.5530	-115.267	PARADISE HOT SPRINGS	126	52	129	null	22	HAILEY	FEATHERVILLE 7.5
ID	45.0130	-113.605	SHARKEY HOT SPRING	126	52	60	106	2	DILLON	GOLDSTONE MTN. 15
ID	43.3270	-113.918	CONDIE HOT SPRINGS	124	51	147	null	3	IDAHO FALLS	null
ID	44.0540	-115.907	HOT SPRING CAMPGROUND	124	51	74	null	40	CHALLIS	GARDEN VALLEY 15
ID	44.1450	-112.554	LIDY HOT SPRINGS	124	51	150	null	3	DUBOIS	LIDY HOT SPRINGS 7.5
ID	43.6410	-114.487	WARFIELD HOT SPRING	124	51	143	null	9	HAILEY	GRIFFIN BUTTE 7.5
ID	43.9820	-114.486	WEST PASS HOT SPRING	124	51	103	null	2	HAILEY	RYAN PEAK 7.5
ID	43.7790	-115.486	BROWN CREEK HOT SPRING	122	50	117	null	9	HAILEY	(GRAND MTN. 7.5)
ID	45.3440	-114.463	OWL CREEK HOT SPRINGS	122	50	51	104	3	ELK CITY	SHOUP 15
ID	44.6280	-114.601	SHOWER BATH SPRINGS	122	50	58	null	11	CHALLIS	SHELDON PEAK 7.5
ID	44.1710	-114.624	SLATE CREEK HOT SPRING	122	50	99	108	21	CHALLIS	LIVINGSTON CREEK 7.5
ID	44.6260	-115.749	TRAIL CREEK HOT SPRING	122	50	30	null	17	CHALLIS	(WARM LAKE 15)
ID	43.7180	-115.563	BASSET HOT SPRING	H	H	null	null	15	HAILEY	(SHEEP CREEK 7.5)
ID	43.7010	-114.738	BIG SMOKEY HOT SPRING	H	H	132	null	6	HAILEY	BAKER PEAK 7.5
ID	44.7700	-115.663	BILLY HOT SPRING	H	H	null	null	7	CHALLIS	WHITE ROCK PEAK 7.5
ID	44.4300	-115.762	BULL CREEK HOT SPRINGS	H	H	39	null	24	CHALLIS	BOILING SPRINGS 15
ID	44.5830	-116.112	CASCADE RESERVOIR HOT SPRING	H	H	null	null	7	BAKER	(CASCADE 15)
ID	44.8960	-114.563	FORGE CREEK HOT SPRINGS	H	H	null	null	2	CHALLIS	YELLOWJACKET 7.5
ID	44.4000	-115.820	GOAT HOT SPRINGS	H	H	35	null	25	CHALLIS	BOILING SPRINGS 15
ID	44.1600	-115.167	GRANDJEAN HOT SPRING	H	H	null	null	33	CHALLIS	GRANDJEAN 7.5
ID	43.8170	-115.046	LEGGIT CREEK HOT SPRING	H	H	null	null	3	HAILEY	(ATLANTA EAST 7.5)
ID	46.0060	-115.021	MARTEN HOT SPRINGS	H	H	8	null	4	HAMILTON	MINK PEAK 7.5
ID	43.5880	-115.988	MORES CREEK HOT SPRING	H	H	null	null	21	HAILEY	(ARROWROCK DAM 7.5)
ID	44.9510	-114.704	MORMON RANCH WARM SPRING	H	H	54	null	1	CHALLIS	APAREJO POINT 7.5
ID	42.6370	-114.892	POISON SPRINGS	H	H	176	null	4	TWIN FALLS	BUHL 15

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
ID	46.2350	-114.707	PROSPECTOR HOT SPRINGS	H	H	7	null	3	HAMILTON	(WAHOO PEAK 7.5)
ID	43.8310	-115.192	QUEENS RIVER HOT SPRING	H	H	null	null	1	HAILEY	ATLANTA WEST 7.5
ID	45.1700	-115.807	SECESH HOT SPRING	H	H	22	null	4	ELK CITY	(LOON LAKE 7.5)
ID	44.6280	-115.197	SHEEPEATER HOT SPRINGS	H	H	null	null	16	CHALLIS	GREYHOUND RIDGE 15
ID	46.1380	-115.090	STUART HOT SPRINGS	H	H	6	null	3	HAMILTON	BIG ROCK MTN. 7.5
ID	44.5850	-115.072	SULPHUR CREEK HOT SPRING	H	H	null	null	19	CHALLIS	(GREYHOUND RIDGE 15)
ID	44.5540	-115.301	SULPHUR CREEK HOT SPRING	H	H	43	null	21	CHALLIS	(CHINOOK MTN. 15)

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
MT	45.3670	-111.726	ENNIS HOT SPRINGS	181	83	null	129	5	BOZEMAN	(ENNIS 15)
MT	46.1780	-112.794	WARM SPRINGS (STATE HOSPITAL)	172	78	15	null	6	BUTTE	ANACONDA NE 7.5
MT	46.1980	-112.094	BOULDER HOT SPRINGS	169	76	19	125	5	BUTTE	BOULDER 15
MT	45.6850	-112.295	SILVER STAR HOT SPRINGS	163	73	30	128	3	DILLON	(TWIN BRIDGES 15)
MT	46.0440	-112.811	GREGSON HOT SPRINGS	158	70	17	126	8	BUTTE	ANACONDA 15
MT	45.0900	-110.774	LADUKE (CORWIN) HOT SPRING	154	68	38	null	6	BOZEMAN	MINER 15
MT	44.9840	-111.613	WOLF CREEK HOT SPRINGS	154	68	null	null	1	ASHTON	CLIFF LAKE 15
MT	46.5960	-112.108	BROADWATER (HELENA) HOT SPRINGS	151	66	7	123	3	BUTTE	(HELENA 15)
MT	45.7570	-110.256	HUNTERS HOT SPRINGS	140	60	36	null	1	BOZEMAN	HUNTERS HOT SPRINGS
MT	45.3680	-113.403	JARDINE HOT SPRING	140	60	25	null	3	DILLON	JACKSON 7.5
MT	46.4480	-111.982	ALHAMBRA HOT SPRINGS	138	59	18	124	1	WHITE SULPHUR	(CLANCY 15)
MT	46.5470	-110.903	WHITE SULPHUR SPRINGS	136	58	24	null	1	WHITE SULPHUR	WHITE SULPHUR SPRINGS 7.5
MT	45.8960	-112.233	PIPESTONE HOT SPRINGS	135	57	20	null	1	DILLON	DRY MOUNTAIN 7.5
MT	45.6600	-111.186	BOZEMAN HOT SPRINGS	131	55	35	null	1	BOZEMAN	BOZEMAN 15
MT	45.4620	-112.475	NEW BILTMORE HOT SPRINGS	127	53	null	null	4	DILLON	BEAVERHEAD ROCK 7.5
MT	45.5750	-111.683	NORRIS HOT SPRINGS	127	53	32	127	4	BOZEMAN	NORRIS 15
MT	45.6020	-111.900	POTOSI WARM SPRINGS	124	51	null	null	2	BOZEMAN	HARRISON 15
MT	45.5900	-111.899	POTOSI HOT SPRINGS	122	50	31	null	3	BOZEMAN	HARRISON 15
MT	45.7920	-112.126	RENOVA HOT SPRINGS	122	50	null	null	2	DILLON	(VENDOME 7.5)
MT	46.1060	-114.004	SLEEPING CHILD HOT SPRINGS	122	50	12	null	2	HAMILTON	DEER MOUNTAIN 7.5

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
NM	35.9080	-106.615	SULPHUR SPRINGS	189	87	12	171	3	ALBUQUERQUE	VALLE SAN ANTONIO 7.5
NM	35.7720	-106.690	JEMEZ SPRINGS	169	76	15	172	7	ALBUQUERQUE	JEMEZ SPRINGS 7.5
NM	33.1080	-108.483	TURKEY CREEK HOT SPRING	165	74	29	null	15	CLIFTON	(CANYON HILL 7.5)
NM	33.1990	-108.209	GILA HOT SPRINGS	151	66	30	null	12	CLIFTON	GILA HOT SPRINGS 7.5
NM	33.2330	-108.235	SPRING (HOT)	149	65	27	null	10	CLIFTON	GILA HOT SPRINGS 7.5
NM	33.2120	-108.228	null	149	65	null	null	11	CLIFTON	(GILA HOT SPRINGS 7.5)
NM	35.6530	-105.290	MONTEZUMA HOT SPRINGS	138	59	20	null	1	SANTA FE	MONTEZUMA 7.5
NM	32.7480	-107.836	MIMBRES HOT SPRINGS	136	58	34	null	3	LAS CRUCES	DWYER 15
NM	32.5540	-107.994	FAYWOOD HOT SPRINGS	129	54	36	null	6	LAS CRUCES	DWYER 15
NM	35.9380	-106.646	SAN ANTONIO HOT SPRING	129	54	10	null	2	ALBUQUERQUE	SEVEN SPRINGS 7.5
NM	35.6460	-106.888	WARM SPRINGS	129	54	null	null	8	ALBUQUERQUE	HOLY GHOST SPRING 7.5
NM	32.5010	-106.926	RADIUM SPRINGS	127	53	38	175	1	LAS CRUCES	SAN DIEGO MOUNTAIN 15
NM	33.1920	-108.180	LYONS HUNTING LODGE HOT SPRINGS	126	52	31	null	13	CLIFTON	(GILA HOT SPRINGS 7.5)
NM	35.5920	-106.753	INDIAN SPRINGS	123	51	17	null	10	ALBUQUERQUE	(SAN YSIDRO 7.5)
NM	33.2370	-108.880	HOT SPRINGS	H	H	null	null	9	CLIFTON	WILSON MOUNTAIN 7.5

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
NV	39.5650	-118.856	(SODA LAKE AREA)	210	99	null	144	3	RENO	SODA LAKE 15
NV	40.5670	-116.588	BEOVAWE HOT SPRINGS (THE GEYSERS)	208	98	77	162	9	WINNEMUCCA	DUNPHY 15
NV	39.7870	-119.011	BRADYS HOT SPRINGS	209	98	72	147	4	RENO	FIREBALL RIDGE 15
NV	40.6620	-119.365	GREAT BOILING SPRING (GERLACH)	208	98	38	137	8	LOVELOCK	GERLACH 15
NV	40.1460	-119.673	THE NEEDLE ROCKS HOT SPRING	208	98	49	139	12	LOVELOCK	THE NEEDLE ROCKS 7.5
NV	40.1410	-119.687	THE NEEDLE ROCKS HOT SPRINGS	208	98	49	139	13	LOVELOCK	THE NEEDLE ROCKS 7.5
NV	40.6040	-117.648	LEACH HOT SPRINGS	207	97	64	154	9	WINNEMUCCA	LEACH HOT SPRINGS 15
NV	39.9540	-117.917	FUMAROLES	204	96	70	null	2	MILLETT	(HUMBOLDT SALT MARSH 15)
NV	39.3880	-119.743	STEAMBOAT SPRINGS	205	96	null	141	13	RENO	STEAMBOAT 7.5
NV	39.3800	-119.740	STEAMBOAT SPRINGS	205	96	56	141	14	RENO	STEAMBOAT 7.5
NV	40.5850	-115.285	SULPHUR HOT SPRINGS	205	96	null	169	6	ELKO	LAMOILLE 15
NV	41.0030	-119.008	null	204	96	null	null	26	VYA	null
NV	38.8220	-117.183	DARROUGHS HOT SPRINGS	203	95	118	161	3	TONOPAH	CARVERS 7.5
NV	40.3890	-119.402	HOT SEEPS (SAN EMIDIO DESERT)	203	95	null	138	10	LOVELOCK	(KUMIVA PEAK 15)
NV	39.1610	-119.183	WABUSKA HOT SPRINGS	201	94	62	142	17	RENO	WABUSKA 15
NV	39.4840	-119.804	MOANA SPRINGS	199	93	55	140	8	RENO	MT. ROSE NE 7.5
NV	41.3630	-118.788	PINTO HOT SPRINGS	199	93	null	132	13	VYA	PINTO MOUNTAIN 7.5
NV	39.3160	-117.549	HOT SPRINGS	198	92	85	159	4	MILLETT	CARROLL SUMMIT SE 7.5
NV	41.3570	-118.809	WEST PINTO HOT SPRING	198	92	null	132	14	VYA	PINTO MOUNTAIN 7.5
NV	41.4680	-116.150	HOT SULPHUR SPRINGS (TUSCARORA)	194	90	null	164	1	MCDERMITT	TUSCARORA 15
NV	40.9480	-119.002	null	194	90	null	134	2	LOVELOCK	null
NV	40.6740	-119.364	null	194	90	null	137	7	LOVELOCK	(GERLACH 15)
NV	40.8130	-115.778	ELKO HOT SPRING	190	88	32	166	3	ELKO	ELKO WEST 7.5
NV	39.2080	-118.723	LEE HOT SPRINGS, ALLEN SPRINGS	190	88	74	143	7	RENO	ALLEN SPRINGS 15
NV	40.2620	-119.379	BOILING SPRINGS	187	86	50	null	11	LOVELOCK	KUMIVA PEAK 15
NV	40.7700	-119.113	BUTTE SPRINGS (TREGO)	187	86	63	135	5	LOVELOCK	null

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
			HOT SPRINGS)							
NV	40.3160	-116.433	HOT SPRING	186	86	null	null	13	WINNEMUCCA	FRENCHIE CREEK 15
NV	39.5970	-119.110	PATUA HOT SPRINGS (FERNLEY)	187	86	null	146	6	RENO	(TWO TIPS 15)
NV	40.7610	-117.492	HOT SPRINGS	185	85	19	157	8	WINNEMUCCA	GOLDRUN CREEK 7.5
NV	40.0880	-117.725	SOU (SEVEN DEVILS) HOT SPRINGS	185	85	68	153	19	WINNEMUCCA	CAIN MOUNTAIN 15
NV	40.6530	-119.378	MUD SPRINGS	184	84	39	137	9	LOVELOCK	(GERLACH 15)
NV	38.7680	-119.174	WILSON HOT SPRING	183	84	null	null	6	WALKER LAKE	YERINGTON 15
NV	41.9210	-118.709	BALTAZOR HOT SPRING	181	83	null	130	3	VYA	DENIO 15
NV	39.3420	-118.578	BORAX SPRING	180	82	74	null	5	RENO	(CARSON LAKE 15)
NV	40.8570	-119.328	FLY RANCH (WARDS) HOT SPRINGS	180	82	37	136	3	LOVELOCK	null
NV	38.5210	-116.365	HOT CREEK RANCH HOT SPRING	180	82	null	null	7	TONOPAH	HOBBLE CANYON 7.5
NV	39.9410	-116.681	HOT SPRINGS	180	82	92	null	3	MILLETT	WALTI HOT SPRINGS 15
NV	39.0280	-117.136	MCLEOD RANCH HOT SPRING	180	82	114	null	6	MILLETT	MILLETT RANCH 15
NV	41.0510	-119.028	DOUBLE HOT SPRINGS	178	81	12	133	21	VYA	null
NV	40.0030	-117.718	HYDER HOT SPRINGS	176	80	69	null	23	WINNEMUCCA	CAIN MOUNTAIN 15
NV	39.6650	-114.807	MONTE NEVA HOT SPRINGS	176	80	98	null	5	ELY	null
NV	40.3680	-117.327	BUFFALO VALLEY HOT SPRINGS	174	79	78	158	13	WINNEMUCCA	BUFFALO SPRINGS 15
NV	40.6990	-116.133	HOT SPRINGS (CARLIN)	174	79	null	165	4	WINNEMUCCA	(CARLIN 15)
NV	41.0130	-119.010	null	172	78	null	null	25	VYA	null
NV	40.4080	-117.883	KYLE HOT SPRINGS	171	77	66	152	12	WINNEMUCCA	KYLE HOT SPRINGS 15
NV	41.0520	-118.717	MACFARLANE HOT SPRING	170	77	null	null	16	VYA	KING LEAR PEAK 15
NV	40.9610	-117.494	GOLCONDA HOT SPRING (NORTH)	165	74	19	155	2	WINNEMUCCA	GOLCONDA 7.5
NV	41.7220	-118.523	null	163	73	null	null	7	VYA	DUFFER PEAK 15
NV	40.4180	-117.415	BUFFALO SPRINGS	162	72	null	null	11	WINNEMUCCA	BUFFALO SPRINGS 15
NV	39.7970	-118.067	DIXIE HOT SPRINGS	162	72	71	149	2	RENO	DIXIE HOT SPRINGS 15
NV	39.3280	-116.858	SPENCER HOT SPRINGS	162	72	86	160	10	MILLETT	SPENCER HOT SPRINGS
NV	39.9040	-116.588	WALTI HOT SPRINGS	162	72	93	null	4	MILLETT	WALTI HOT SPRINGS 15

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
NV	41.0220	-119.015	null	161	72	null	null	24	VYA	null
NV	40.5780	-117.219	null	162	72	null	null	10	WINNEMUCCA	(ANTLER PEAK 15)
NV	38.4640	-115.792	CHIMNEY WARM SPRING	160	71	127	null	11	LUND	THE WALL NE 7.5
NV	38.9810	-119.833	WALLEYS HOT SPRINGS	160	71	60	null	1	WALKER LAKE	MINDEN 7.5
NV	41.5670	-118.564	DYKE HOT SPRINGS	158	70	10	131	10	VYA	DUFFER PEAK 15
NV	41.1080	-117.578	HOT SPRINGS	158	70	null	null	2	MCDERMITT	(BLISS 15)
NV	39.4040	-116.347	KLOBE (BARTHOLOMAE) HOT SPRING	156	69	93	null	9	MILLETT	ANTELOPE PEAK 15
NV	41.1470	-119.022	null	153	67	null	null	18	VYA	null
NV	40.9540	-117.488	GOLCONDA HOT SPRING (SOUTH)	151	66	19	155	3	WINNEMUCCA	GOLCONDA 7.5
NV	41.5760	-115.181	HOT CREEK SPRINGS	151	66	30	null	4	WELLS	HOT CREEK 15
NV	41.1120	-119.002	null	151	66	null	null	20	VYA	null
NV	40.2200	-116.068	BRUFFEYS HOT SPRINGS	149	65	90	null	15	WINNEMUCCA	MINERAL HILL 15
NV	40.2490	-115.409	SMITH RANCH SPRINGS	149	65	34	null	7	ELKO	RUBY LAKE NW 7.5
NV	40.7650	-116.040	HOT SULPHUR SPRINGS	147	64	31	null	2	WINNEMUCCA	HUNTSMAN RANCH 7.5
NV	41.8670	-114.692	SAN JACINTO RANCH SPRING	148	64	22	null	5	WELLS	(DELAPLAIN 15)
NV	36.0020	-114.742	SPRING	145	63	null	null	7	LAS VEGAS	(HOOVER DAM 15)
NV	38.1880	-116.373	WARM SPRINGS	145	63	125	null	11	TONOPAH	WARM SPRINGS 7.5
NV	39.8830	-114.893	CHERRY CREEK HOT SPRINGS	144	62	95	170	2	ELY	null
NV	38.8990	-119.410	NEVADA (HINDS) HOT SPRINGS	144	62	61	null	3	WALKER LAKE	WELLINGTON 15
NV	38.9220	-118.198	WEDELL HOT SPRINGS	144	62	113	null	2	WALKER LAKE	null
NV	38.4370	-116.277	HOT CREEK VALLEY SPRING	142	61	124	null	8	TONOPAH	(BLUE JAY SPRING 7.5)
NV	41.1830	-114.991	HOT SPRINGS	142	61	30	null	12	WELLS	OXLEY PEAK 7.5
NV	37.8250	-117.337	ALKALI HOT SPRING	140	60	112	null	3	GOLDFIELD	ALKALI 7.5
NV	41.7880	-114.735	MINERAL HOT SPRING	140	60	22	167	6	WELLS	(DELAPLAIN 15)
NV	40.4170	-116.507	CRESCENT VALLEY HOT SPRINGS	138	59	null	163	10	WINNEMUCCA	CRESCENT VALLEY 15
NV	40.4040	-116.517	CRESCENT VALLEY HOT SPRINGS	138	59	88	163	11	WINNEMUCCA	CRESCENT VALLEY 15
NV	39.0310	-116.666	DIANAS PUNCH BOWL	138	59	null	null	14	MILLETT	DIANAS PUNCH BOWL 15

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
NV	41.4120	-114.675	WINE CUP RANCH SPRINGS	138	59	null	null	7	WELLS	WINE CUP RANCH 7.5
NV	40.9720	-119.007	BLACK ROCK HOT SPRING	136	58	16	134	1	LOVELOCK	null
NV	40.6030	-116.463	HORSESHOE RANCH SPRINGS	136	58	88	null	7	WINNEMUCCA	(BEOWAWE 15)
NV	40.9220	-117.108	HOT POT (BLOSSOM HOT SPRINGS)	136	58	19	156	4	WINNEMUCCA	HOT POT 7.5
NV	41.3780	-119.182	SPRINGS (HOT)	136	58	null	null	7	VYA	SOLDIER MEADOW 7.5
NV	40.1780	-117.496	HOME STATION RANCH HOT SPRING	135	57	null	null	18	WINNEMUCCA	MT. MOSES 15
NV	41.7210	-118.505	HOWARD HOT SPRING	135	57	null	null	8	VYA	DUFFER PEAK 15
NV	41.4210	-117.388	THE HOT SPRINGS	135	57	11	null	1	MCDERMITT	HOT SPRINGS PEAK 15
NV	39.2860	-119.840	BOWERS MANSION HOT SPRING	133	56	57	null	15	RENO	WASHOE CITY 7.5
NV	40.8190	-115.777	HOT HOLE	133	56	null	166	2	ELKO	ELKO WEST 7.5
NV	41.3570	-119.188	SPRINGS (HOT)	133	56	null	null	9	VYA	MUD MEADOW 7.5
NV	41.9250	-118.805	BOG HOT SPRINGS	131	55	2	null	2	VYA	RAILROAD POINT 15
NV	41.8090	-118.861	PAINTED HILLS MINE	131	55	null	null	4	VYA	(RAILROAD POINT 15)
NV	40.1830	-117.102	HOT SPRINGS RANCH	129	54	81	null	17	WINNEMUCCA	THE CEDARS 15
NV	41.6470	-115.775	WILD HORSE HOT SPRINGS	129	54	null	null	3	WELLS	WILD HORSE 15
NV	41.3830	-119.187	null	130	54	null	null	6	VYA	(SOLDIER MEADOW 7.5)
NV	39.4200	-119.738	DIMONTE SPRING	127	53	55	null	12	RENO	(STEAMBOAT 7.5)
NV	40.1910	-117.107	HOT SPRINGS	127	53	null	null	16	WINNEMUCCA	THE CEDARS 15
NV	40.1980	-117.103	HOT SPRINGS	127	53	80	null	15	WINNEMUCCA	THE CEDARS 15
NV	41.3530	-119.216	SPRING (HOT)	127	53	null	null	11	VYA	MUD MEADOW 7.5
NV	41.3390	-119.192	SPRINGS (HOT)	127	53	null	null	12	VYA	MUD MEADOW 7.5
NV	38.9520	-115.230	WILLIAMS HOT SPRING	127	53	103	null	1	LUND	null
NV	41.2610	-115.305	HOT SPRINGS	126	52	28	null	5	WELLS	HOT SPRINGS CREEK 7.5
NV	39.0410	-116.663	HOT SPRING	124	51	null	null	13	MILLETT	DIANAS PUNCH BOWL 15
NV	40.6730	-116.838	HOT SPRINGS	122	50	null	null	6	WINNEMUCCA	BATTLE MOUNTAIN 15
NV	39.0580	-119.742	SARATOGA HOT SPRING	122	50	null	null	21	RENO	MC TARNAHAN HILL 7.5
NV	41.3650	-119.221	SPRING (HOT)	122	50	null	null	8	VYA	MUD MEADOW 7.5

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
NV	41.1590	-114.986	THREEMILE SPRING, SULPHUR HOT SPR	122	50	30	168	13	WELLS	OXLEY PEAK 7.5
NV	39.9950	-117.854	SENATOR FUMARoles	B	B	null	null	1	MILLETT	(HUMBOLDT SALT MARSH 15)
NV	39.8660	-118.017	DIXIE COMSTOCK MINE	H	H	null	null	1	RENO	DIXIE HOT SPRINGS 15
NV	39.7330	-119.039	EAGLE SALT WORKS SPRING	H	H	73	null	5	RENO	(TWO TIPS 15)
NV	41.1480	-116.733	HOT LAKE	H	H	null	null	3	MCDERMITT	SQUAW VALLEY RANCH 7.5
NV	41.1750	-115.278	HOT SPRING	H	H	29	null	7	WELLS	TWIN BUTTES 7.5
NV	41.1450	-114.994	HOT SPRING	H	H	null	null	14	WELLS	OXLEY PEAK 7.5
NV	38.8590	-119.175	HOT SPRING	H	H	null	null	4	WALKER LAKE	YERINGTON 15
NV	39.8930	-116.649	LITTLE HOT SPRINGS	H	H	null	null	5	MILLETT	WALTI HOT SPRINGS 15
NV	39.5590	-117.427	PETERSONS MILL HOT SPRING	H	H	null	null	3	MILLETT	MOUNT AIRY 7.5
NV	39.2810	-118.420	SAND SPRINGS	H	H	75	null	6	RENO	FOURMILE FLAT 7.5
NV	40.8640	-117.349	SULPHUR SPRING	H	H	null	null	6	WINNEMUCCA	BROOKS SPRING 7.5
NV	41.1750	-119.957	null	H	H	36	null	17	VYA	null
NV	39.2420	-116.880	null	H	H	87	null	11	MILLETT	(WILDCAT PEAK 15)
NV	38.8600	-116.738	null	H	H	null	null	1	TONOPAH	(MOSQUITO CREEK 7.5)

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
OR	42.3380	-118.602	HOT SPRINGS	207	97	69	198	6	ADEL	BORAX LAKE 7.5
OR	42.2210	-120.368	HUNTERS HOT SPRINGS	205	96	45	189	7	KLAMATH FALLS	LAKEVIEW NE 7.5
OR	44.7820	-121.975	BREITENBUSH HOT SPRINGS	198	92	6	179	3	BEND	BREITENBUSH HOT SPRINGS 15
OR	42.2190	-119.877	WARNER VALLEY RANCH	198	92	49	null	6	ADEL	(ADEL 7.5)
OR	45.3720	-121.697	MOUNT HOOD FUMARoles	194	90	1	177	1	THE DALLES	(MOUNT HOOD SOUTH 7.5)
OR	42.1560	-120.345	BARRY RANCH HOT SPRINGS	190	88	47	189	9	KLAMATH FALLS	LAKEVIEW NE 7.5
OR	44.0230	-117.460	NEAL HOT SPRINGS	189	87	75	203	7	BAKER	JAMIESON 15
OR	45.0210	-122.009	AUSTIN HOT SPRINGS	186	86	4	178	1	VANCOUVER	FISH CREEK MTN. 15
OR	42.6760	-118.344	MICKEY SPRINGS	187	86	null	196	4	ADEL	null
OR	44.1530	-122.098	FOLEY SPRINGS	178	81	19	182	4	SALEM	MCKENZIE BRIDGE 15
OR	45.2440	-117.958	HOT LAKE SPRINGS	176	80	11	null	3	GRANGEVILLE	CRAIG MOUNTAIN 7.5
OR	42.5440	-118.533	ALVORD HOT SPRINGS	174	79	68	197	5	ADEL	ALVORD HOT SPRINGS 7.5
OR	43.4410	-118.638	CRANE HOT SPRINGS	172	78	53	null	11	BURNS	CRANE 15
OR	42.2260	-119.881	CRUMP GEYSER (CRUMP SPRING)	172	78	49	190	5	ADEL	ADEL 7.5
OR	43.7270	-117.203	SNIVELY HOT SPRING	170	77	null	null	7	BOISE	OWYHEE DAM 7.5
OR	42.1740	-121.615	OLENE GAP HOT SPRINGS	165	74	28	187	4	KLAMATH FALLS	(MERRILL 15)
OR	43.8580	-118.544	null	165	74	null	null	3	BURNS	(VAN 15)
OR	43.7080	-122.288	MCCREDIE SPRINGS	163	73	22	183	2	ROSEBURG	OAKRIDGE 15
OR	43.9820	-117.233	VALE HOT SPRINGS	163	73	77	204	1	BOISE	(VALE EAST 7.5)
OR	42.1620	-120.344	LEITHEAD HOT SPRING	162	72	46	189	8	KLAMATH FALLS	LAKEVIEW NE 7.5
OR	44.1930	-122.049	BELKNAP SPRINGS	160	71	18	181	3	SALEM	MCKENZIE BRIDGE 15
OR	43.8930	-117.501	null	158	70	76	202	3	BOISE	(HARPER 15)
OR	42.2970	-119.776	FISHER HOT SPRINGS	154	68	49	191	3	ADEL	CRUMP LAKE 7.5
OR	43.1850	-119.058	null	154	68	64	193	17	BURNS	null
OR	43.4690	-118.202	LUCE HOT SPRINGS	145	63	84	195	10	BURNS	MCEWEN BUTTE 7.5
OR	43.7190	-121.209	EAST LAKE HOT SPRINGS	144	62	33	184	2	CRESCENT	null
OR	43.7630	-117.156	MITCHELL BUTTE HOT SPRING	144	62	79	null	5	BOISE	MITCHELL BUTTE 7.5

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
OR	43.6460	-118.251	null	144	62	54	null	9	BURNS	(UPTON MOUNTAIN 7.5)
OR	44.2410	-122.058	BIGELOW HOT SPRINGS	142	61	null	null	2	SALEM	(MCKENZIE BRIDGE 15)
OR	45.1510	-118.659	LEHMAN SPRINGS	142	61	8	null	2	PENDLETON	LEHMAN SPRINGS 7.5
OR	42.1160	-121.287	OREGON HOT SPRINGS (BIG HOT SPRING)	142	61	29	null	7	KLAMATH FALLS	MALIN 15
OR	43.9440	-118.136	BEULAH HOT SPRINGS	140	60	74	null	1	BURNS	BEULAH 15
OR	45.0180	-117.625	MEDICAL HOT SPRINGS	140	60	12	201	5	GRANGEVILLE	FLAGSTAFF BUTTE 7.5
OR	44.9360	-122.173	BAGBY HOT SPRINGS	136	58	5	null	1	SALEM	BATTLE AX 15
OR	44.3540	-118.574	BLUE MOUNTAIN HOT SPRINGS	136	58	16	null	3	CANYON CITY	PRAIRIE CITY 15
OR	44.9270	-117.939	RADIUM HOT SPRINGS	135	57	17	null	1	BAKER	HAINES 7.5
OR	42.1880	-118.383	FLAGSTAFF BUTTE HOT SPRING	126	52	72	199	10	ADEL	null
OR	44.8620	-121.201	KAHNEETA HOT SPRINGS	126	52	7	180	2	BEND	EAGLE BUTTE 7.5
OR	44.8670	-121.228	SPRINGS	125	52	7	null	1	BEND	EAGLE BUTTE 7.5
OR	42.0790	-117.760	null	126	52	86	200	5	JORDAN VALLEY	null
OR	44.2080	-117.455	JAMIESON HOT SPRINGS	H	H	73	null	5	BAKER	(JAMIESON 15)
OR	45.2060	-117.912	UNION STATION HOT SPRINGS	H	H	null	null	4	GRANGEVILLE	CRAIG MOUNTAIN 7.5
OR	43.2150	-117.502	null	H	H	84	null	11	BOISE	(THE HOLE IN THE GROUND 7)
OR	43.0730	-117.697	null	H	H	null	null	12	BOISE	(LAMBERT ROCKS 7.5)
OR	43.5890	-117.326	null	H	H	83	null	9	BOISE	(THE ELBOW 7.5)

Appendix F. Hot and Warm Springs in the Project Area

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
UT	40.4880	-111.911	CRYSTAL HOT SPRINGS	187	86	13	null	9	SALT LAKE CITY	JORDAN NARROWS 7.5
UT	38.1860	-113.197	THERMO HOT SPRINGS	185	85	52	210	2	RICHFIELD	THERMO 15
UT	38.1720	-113.204	THERMO HOT SPRINGS	181	83	52	210	3	RICHFIELD	THERMO 15
UT	39.6130	-112.729	BAKER (ABRAHAM, CRATER) HOT SPRINGS	180	82	24	205	3	DELTA	BAKER HOT SPRINGS 7.5
UT	38.6390	-112.098	RED HILL HOT SPRING	171	77	null	206	7	RICHFIELD	MONROE 15
UT	38.6330	-112.107	MONROE (COOPER) HOT SPRINGS	169	76	48	206	8	RICHFIELD	MONROE 15
UT	38.6130	-112.202	JOSEPH HOT SPRINGS	147	64	49	207	9	RICHFIELD	MONROE 15
UT	39.9060	-113.430	WILSON HEALTH SPRINGS	142	61	20	null	1	DELTA	FISH SPRINGS NW 7.5
UT	41.1380	-112.175	HOOPER HOT SPRINGS	140	60	null	null	14	BRIGHAM CITY	OGDEN BAY 7.5
UT	41.3380	-112.031	UTAH HOT SPRINGS	138	59	6	null	11	BRIGHAM CITY	PLAIN CITY 7.5
UT	41.2360	-111.924	OGDEN HOT SPRING	135	57	8	null	3	OGDEN	OGDEN 7.5
UT	40.8150	-111.918	BECKS HOT SPRING	133	56	11	null	1	SALT LAKE CITY	SALT LAKE CITY NORTH 7.5
UT	38.5030	-112.849	ROOSEVELT HOT SPRINGS	133	56	51	209	12	RICHFIELD	(PINNACLE PASS 7.5)
UT	41.6590	-112.087	CRYSTAL (MADSENS) HOT SPRINGS	129	54	4	null	6	BRIGHAM CITY	HONEYVILLE 7.5
UT	41.8550	-112.158	UDY HOT SPRINGS	124	51	3	null	2	BRIGHAM CITY	RIVERSIDE 7.5

State	Latitude	Longitude	"Popular" or USGS Spring Name	TF	TC	P.P. 492	Circ. 790	NOAA	AMS	USGS Quadrangle
WA	48.7700	-121.813	SHERMAN CRATER FUMARoles	266	130	null	null	2	CONCRETE	(MT. BAKER 15)
WA	48.7890	-121.804	DORR FUMAROLE FIELD	194	90	null	null	1	CONCRETE	(MT. BAKER 15)
WA	46.1980	-122.197	MT ST HELENS FUMARoles	190	88	12	null	2	HOQUIAM	(MOUNT ST. HELENS 15)
WA	46.8520	-121.758	MT RAINIER FUMARoles	162	72	null	null	1	YAKIMA	(MT. RAINIER WEST 7.5)
WA	46.2020	-121.492	MOUNT ADAMS FUMARoles	150	66	12	null	6	YAKIMA	(MOUNT ADAMS EAST 7.5)
WA	48.1500	-121.062	GAMMA HOT SPRINGS	140	60	null	213	5	CONCRETE	GLACIER PEAK 15
WA	47.4840	-121.391	GOLDMEYER HOT SPRINGS	127	53	8	null	3	WENATCHEE	SNOQUALMIE PASS 15
WA	45.7010	-121.728	COLLINS HOT SPRINGS	122	50	null	null	4	THE DALLES	(HOOD RIVER 15)
WA	48.9740	-119.475	HOT LAKE	122	50	null	null	1	OKANOGAN	OROVILLE 15
WA	46.7380	-121.562	OHANAPECOSH HOT SPRINGS	122	50	11	214	3	YAKIMA	PACKWOOD 15
WA	48.9060	-119.455	POISON LAKE	122	50	null	null	2	OKANOGAN	(OROVILLE 15)
WA	47.7070	-121.155	SCENIC HOT SPRINGS	122	50	7	null	2	WENATCHEE	(SCENIC 7.5)
WA	47.9690	-123.864	SOL DUC HOT SPRINGS	122	50	2	null	2	SEATTLE	BOGACHIEL PEAK 7.5
WA	45.7230	-121.927	ROCK CREEK HOT SPRINGS	H	H	null	null	3	THE DALLES	BONNEVILLE DAM 15

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WY	44.5440	-110.788	BLACK WARRIOR GROUP, SHELF SPRING	205	96	null	215	87	ASHTON	MADISON JUNCTION 15
WY	44.5660	-110.871	FLAT CONE SPRING, STEEP CONE	205	96	null	215	78	ASHTON	MADISON JUNCTION 15
WY	44.5710	-110.811	MORNING MIST SPRINGS	205	96	19	215	76	ASHTON	MADISON JUNCTION 15
WY	44.5630	-110.834	RIVER GROUP	205	96	18	215	81	ASHTON	MADISON JUNCTION 15
WY	44.5200	-110.828	FLOOD GROUP	203	95	26	215	97	ASHTON	MADISON JUNCTION 15
WY	44.5680	-110.805	QUAGMIRE GROUP	203	95	null	215	77	ASHTON	MADISON JUNCTION 15
WY	44.5370	-110.801	WHITE DOME GEYSER, SURPRISE POOL	203	95	22	215	90	ASHTON	MADISON JUNCTION 15
WY	44.9080	-110.393	CALCITE SPRINGS	201	94	65	215	3	ASHTON	TOWER JUNCTION 15
WY	44.5430	-110.859	FAIRY SPRINGS	201	94	20	215	89	ASHTON	MADISON JUNCTION 15
WY	44.5540	-110.812	FOUNTAIN GROUP	201	94	null	215	83	ASHTON	MADISON JUNCTION 15
WY	44.6910	-110.728	GEYSER SPRINGS GROUP	201	94	15	215	45	ASHTON	NORRIS JUNCTION 15
WY	44.7220	-110.708	null	201	94	null	215	31	ASHTON	NORRIS JUNCTION 15
WY	44.6930	-110.738	ARTISTS PAINTPOTS	199	93	14	215	44	ASHTON	NORRIS JUNCTION 15
WY	44.7330	-110.703	CISTERN SPRING	199	93	null	215	28	ASHTON	(NORRIS JUNCTION 15)
WY	44.5260	-110.835	EXCELSIOR GEYSER CRATER	199	93	25	215	95	ASHTON	MADISON JUNCTION 15
WY	44.6970	-110.724	GIBBON HILL GEYSER	199	93	13	215	42	ASHTON	NORRIS JUNCTION 15
WY	44.6900	-110.384	HOT SPRINGS ON BOG CREEK	199	93	79	215	47	ASHTON	CANYON VILLAGE 15
WY	44.7390	-110.324	JOSEPHS COAT SPRINGS	199	93	72	215	24	ASHTON	CANYON VILLAGE 15
WY	44.5660	-110.816	null	199	93	null	215	79	ASHTON	MADISON JUNCTION 15
WY	44.6790	-110.746	BERYL SPRING	198	92	16	215	50	ASHTON	NORRIS JUNCTION 15
WY	44.7610	-110.730	BIJAH SPRING	198	92	9	215	14	ASHTON	MAMMOTH 15
WY	44.7430	-110.242	HOT SPRING BASIN GROUP	198	92	75	215	21	ASHTON	PELICAN CONE 15
WY	44.5180	-110.813	HOT SPRINGS, RABBIT CREEK GROUP	198	92	26	215	98	ASHTON	MADISON JUNCTION 15
WY	44.6840	-110.753	MONUMENT GEYSER BASIN	197	92	16	215	48	ASHTON	MADISON JUNCTION 15
WY	44.5140	-110.828	RABBIT CREEK GROUP	198	92	null	215	99	ASHTON	MADISON JUNCTION 15

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WY	44.7860	-110.740	SEMI-CENTENNIAL GEYSER	198	92	7	215	8	ASHTON	MAMMOTH 15
WY	44.5300	-110.297	STEAMBOAT SPRINGS	198	92	95	215	93	ASHTON	CANYON VILLAGE 15
WY	44.5440	-110.258	TURBID SPRINGS	198	92	94	215	88	ASHTON	CANYON VILLAGE 15
WY	44.7970	-110.725	AMPHITHEATER SPRINGS	196	91	7	215	7	ASHTON	MAMMOTH 15
WY	44.7560	-110.308	COFFEE POT HOT SPRINGS	196	91	73	215	15	ASHTON	TOWER JUNCTION 15
WY	44.5910	-110.321	HOT SPRINGS AT SULPHUR HILLS	196	91	89	215	72	ASHTON	CANYON VILLAGE 15
WY	44.5560	-110.832	RIVER GROUP	196	91	null	215	82	ASHTON	MADISON JUNCTION 15
WY	44.7660	-110.429	WASHBURN HOT SPRINGS	196	91	50	215	12	ASHTON	TOWER JUNCTION 15
WY	44.6810	-110.326	HOT SPRINGS ON UPPER SOUR CREEK	194	90	null	215	49	ASHTON	CANYON VILLAGE 15
WY	44.5320	-110.796	FIVE SISTERS SPRINGS	192	89	null	215	92	ASHTON	MADISON JUNCTION 15
WY	44.5320	-110.874	IMPERIAL GEYSER, SPRAY GEYSER	192	89	24	215	91	ASHTON	MADISON JUNCTION 15
WY	44.5640	-110.869	QUEENS LAUNDRY	192	89	17	215	80	ASHTON	MADISON JUNCTION 15
WY	44.6530	-110.482	SULPHUR SPRINGS	194	89	61	215	57	ASHTON	CANYON VILLAGE 15
WY	44.7020	-110.767	SYLVAN SPRINGS	192	89	12	215	40	ASHTON	MADISON JUNCTION 15
WY	44.7280	-110.701	null	192	89	null	215	29	ASHTON	NORRIS JUNCTION 15
WY	44.7690	-110.269	RAINBOW SPRINGS	190	88	null	215	11	ASHTON	TOWER JUNCTION 15
WY	44.6280	-110.433	SULPHUR CALDRON	190	88	61	215	61	ASHTON	CANYON VILLAGE 15
WY	44.7520	-110.418	HOT SPRINGS AT SEVENMILE HOLE	189	87	52	215	18	ASHTON	TOWER JUNCTION 15
WY	44.5210	-110.275	BUTTE SPRINGS	187	86	96	215	96	ASHTON	CANYON VILLAGE 15
WY	44.7330	-110.712	HORSESHOE SPRING	187	86	null	215	27	ASHTON	(NORRIS JUNCTION 15)
WY	44.6900	-110.750	null	187	86	null	215	46	ASHTON	NORRIS JUNCTION 15
WY	44.7220	-110.701	ECHINUS GEYSER	185	85	11	215	32	ASHTON	NORRIS JUNCTION 15
WY	44.6970	-110.375	HOT SPRINGS ON BOG CREEK	185	85	79	215	43	ASHTON	CANYON VILLAGE 15
WY	44.5290	-110.791	WHITE CREEK GROUP	185	85	null	215	94	ASHTON	(MADISON JUNCTION 15)
WY	44.2440	-111.022	BOUNDARY CREEK HOT SPRINGS	181	83	null	215	1	ASHTON	WARM RIVER BUTTE 15

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WY	44.6710	-110.290	PONUNTPA SPRINGS GROUP	180	82	83	215	53	ASHTON	CANYON VILLAGE 15
WY	44.7140	-110.475	null	167	75	null	215	35	ASHTON	CANYON VILLAGE 15
WY	44.9670	-110.708	MAMMOTH HOT SPRINGS	163	73	2	215	2	ASHTON	MAMMOTH 15
WY	43.9580	-110.696	JACKSON LAKE HOT SPRINGS	162	72	null	null	1	DRIGGS	(COLTER BAY 7.5)
WY	44.7530	-110.724	ROADSIDE SPRINGS, FRYING PAN SPRING	158	70	9	215	17	ASHTON	MAMMOTH 15
WY	44.5980	-110.236	HOT SPRINGS IN PELICAN VALLEY	156	69	null	215	70	ASHTON	PELICAN CONE 15
WY	44.7540	-110.403	SEVENMILE HOLE	154	68	null	215	16	ASHTON	(TOWER JUNCTION 15)
WY	44.7390	-110.258	HOT SPRING BASIN GROUP	153	67	75	215	25	ASHTON	CANYON VILAGE 15
WY	42.8280	-110.999	AUBURN HOT SPRINGS	144	62	103	218	1	PRESTON	null
WY	44.7810	-110.699	WHITEROCK SPRINGS	144	62	8	215	10	ASHTON	MAMMOTH 15
WY	44.7200	-110.715	null	144	62	null	215	33	ASHTON	NORRIS JUNCTION 15
WY	44.5820	-110.314	VERMILION SPRINGS	140	60	91	215	74	ASHTON	CANYON VILLAGE 15
WY	44.5880	-110.341	EBRO SPRINGS	136	58	90	215	73	ASHTON	CANYON VILLAGE 15
WY	44.5500	-110.805	FOUNTAIN PAINT POT	136	58	21	215	86	ASHTON	MADISON JUNCTION 15
WY	44.9850	-110.689	HOT RIVER	136	58	1	215	1	ASHTON	MAMMOTH 15
WY	43.6540	-108.194	THERMOPOLIS HOT SPRINGS	133	56	111	null	1	THERMOPOLIS	THERMOPOLIS 7.5
WY	44.6250	-110.433	MUD VOLCANO	131	55	61	215	62	ASHTON	CANYON VILLAGE 15
WY	42.5450	-106.725	ALCOVA HOT SPRINGS	129	54	113	null	1	CASPER	(ALCOVA 7.5)
WY	41.4500	-106.804	SARATOGA HOT SPRINGS	129	54	115	null	1	RAWLINS	SARATOGA 7.5
WY	44.7110	-110.741	CHOCOLATE POTS	124	51	null	215	36	ASHTON	NORRIS JUNCTION 15
WY	44.8420	-110.732	APOLLINARIS SPRING	H	H	null	215	4	ASHTON	MAMMOTH 15
WY	44.5530	-110.301	BEACH SPRINGS	H	H	93	215	84	ASHTON	CANYON VILLAGE 15
WY	44.7080	-110.461	FOREST SPRINGS	H	H	54	215	39	ASHTON	CANYON VILLAGE 15
WY	44.7500	-110.714	GAS VENT	H	H	null	215	20	ASHTON	MAMMOTH 15
WY	44.6120	-110.618	GAS VENT	H	H	null	215	65	ASHTON	NORRIS JUNCTION 15
WY	44.7410	-110.699	GAS VENT	H	H	null	215	23	ASHTON	NORRIS JUNCTION 15
WY	44.6010	-110.632	GAS VENT EAST OF MARY LAKE	H	H	null	215	68	ASHTON	NORRIS JUNCTION 15

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WY	44.7150	-110.555	GAS VENTS	H	H	null	215	34	ASHTON	NORRIS JUNCTION 15
WY	44.8250	-110.675	GAS VENTS AT HORSESHOE HILL	H	H	null	215	6	ASHTON	MAMMOTH 15
WY	44.5950	-110.622	GAS VENTS SOUTHEAST OF MARY LAKE	H	H	null	215	71	ASHTON	NORRIS JUNCTION 15
WY	44.6160	-110.616	HIGHLAND HOT SPRINGS	H	H	57	215	64	ASHTON	NORRIS JUNCTION 15
WY	44.7520	-110.256	HOT SPRING	H	H	null	215	19	ASHTON	TOWER JUNCTION 15
WY	44.6420	-110.238	HOT SPRING	H	H	null	215	58	ASHTON	PELICAN CONE 15
WY	44.7660	-110.300	HOT SPRINGS	H	H	null	215	13	ASHTON	TOWER JUNCTION 15
WY	44.5720	-110.691	HOT SPRINGS	H	H	27	215	75	ASHTON	NORRIS JUNCTION 15
WY	44.6100	-110.438	HOT SPRINGS	H	H	null	215	66	ASHTON	CANYON VILLAGE 15
WY	44.6670	-110.282	HOT SPRINGS	H	H	null	215	54	ASHTON	CANYON VILLAGE 15
WY	44.6720	-110.236	HOT SPRINGS	H	H	null	215	51	ASHTON	PELICAN CONE 15
WY	44.7110	-110.468	HOT SPRINGS	H	H	null	215	37	ASHTON	CANYON VILLAGE 15
WY	44.6070	-110.617	HOT SPRINGS EAST OF MARY LAKE	H	H	59	215	67	ASHTON	NORRIS JUNCTION 15
WY	44.6170	-110.432	MUD GEYSERS	H	H	61	215	63	ASHTON	CANYON VILLAGE 15
WY	44.5510	-110.850	SPRINGS ON FAIRY CREEK	H	H	null	215	85	ASHTON	MADISON JUNCTION 15
WY	44.7810	-110.738	STEAM VENTS AT ROARING MOUNTAIN	H	H	null	215	9	ASHTON	MAMMOTH 15
WY	44.6340	-110.234	THE MUDKETTLES	H	H	87	215	59	ASHTON	PELICAN CONE 15
WY	44.6340	-110.226	THE MUSHPOTS	H	H	88	215	60	ASHTON	PELICAN CONE 15
WY	44.6560	-110.572	VIOLET SPRINGS	H	H	56	215	56	ASHTON	NORRIS JUNCTION 15